Bruhat Bengaluru
Mahanagara Palike

COMPARATIVE - STATEMENT

BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

COMPARATIVE STATEMENT

Name of Work :- Modified Estimate for Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division

Estimated Cost RS:-40.00 Lakh,s

Agency'-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Approved Tender Amount RS.- 3271503.00 (Excluding GST 18%)

Tender Premium:- (-3.51%) Below

Modified Est S Nos	Tender Item S Nos	Description of Work	Unit	Qty as per Sanctioned Estimate			Qty as per Tender			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Amount	Excess	Savings	Remarks
				Qty	Rates	Amount	Qty	Rates	Amount		Qty	Rates	Amount	Qty.	Rates	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material to the appropriate disposal area as per direction of Engineer-in-charge. (PWD SR 2021-22 Vol -2 Pg 165 item no 19.27.2)	Sqm	48.00	426.80	20486.40	48.00	413.00	19824.00	48.00	48.00	413.00	19824.00				19824.00			Item Operated
2	2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking to the appropriate disposal area as per direction of Engineerin-charge. (PWD SR 2021-22 Vol -2,Pg 164 Item No.19.12.2)	Sqm	11.29	221.10	2496.22	11.29	204.00	2303.16	11.29	11.29	204.00	2302.26				2302.26		0.90	Item Operated
3	3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.(PWD SR 2021-22 Vol -2 Pg 163 item No. 19.7.3)	Cum	19.90	867.90	17271.21	19.90	840.00	16716.00	19.90	19.90	840.00	16719.76				16719.76	3.76		Item Operated
4	4	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge (PWD SR 2021-22 Vol -2 Pg 163 Item no 19.2.1)	Cum	7.89	1401.40	11057.05	7.89	1358.00	10714.62	7.89	7.89	1358.00	10714.62				10714.62			Item Operated
5	5	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin-charge. (PWD SR 2021-22 Vol- 2 P.No -163 / I.No -19.9.2)	Cum	23.09	1419.00	32764.71	23.09	1376.00	31771.84	23.09	23.09	1376.00	31764.96				31764.96		6.88	Item Operated

6	6	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.2)	Cum	95.50	218.90	20904.95	95.50	211.00	20150.50	135.21	119.38	221.00	26381.88	15.84	211.22	3344.77	29726.65	9576.15		Item Operated
7	7	KSRB 2.8 . Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. Specificaton No (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 6.4)	Cum	4.37	2561.00	11191.57	4.37	2484.00	10855.08	4.66	4.86	2484.00	12072.24				12072.24	1217.16		Item Operated
8	8	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)	Cum	9.52	6109.40	58161.49	9.52	5925.00	56406.00	18.17	11.90	5925.00	70507.50	6.27	5894.96	36987.34	107494.84	51088.84		Item Operated
9	9	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)	Cum	1.58	6705.60	10594.85	1.58	6503.00	10274.74	7.09	1.98	5925.00	11701.88	5.12	6470.23	33100.10	44801.97	34527.23		Item Operated

10	10	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Vol 2/ P No-9/ I no- 5.4 of PWD SR 2021-22)	Cum	11.83	5887.20	69645.58	11.83	5710.00	67549.30	19.49	14.79	5710.00	84436.63	4.70	5680.56	26691.53	111128.15	43578.85		Item Operated
11	11	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. ((PWD SR 2021-22 Vol- I P.No -7 / I.No -1.9)	Cum	41.96	224.40	9415.82	41.96	217.00	9105.32	74.62	52.45	217.00	11381.65	22.17	216.52	4799.58	16181.23	7075.91		Item Operated
12	12	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)	Cum	53.54	81.40	4358.16	53.54	78.00	4176.12	60.59	60.59	78.00	4726.35				4726.35	550.23		Item Operated
13	13	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)	t.Km	68.53	105.60	7236.77	68.53	101.00	6921.53	77.56	77.56	101.00	7833.62				7833.62	912.09		Item Operated
14	14	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.4.3 of PWD SR 2021-22)	Cum	29.18	7118.50	207717.83	29.18	6904.00	201458.72	33.90	33.90	6904.00	234063.21				234063.21	32604.49		Item Operated
15	15	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)	Cum	2.43	7485.06	18188.70	2.43	7260.00	17641.80	2.11	2.11	7260.00	15328.76				15328.76		2313.04	Item Operated
16	16	Slab	Cum	6.78	8165.52	55362.23	6.78	7920.00	53697.60	6.08	6.08	7920.00	48114.00				48114.00		5583.60	Item Operated

17	17	Beams.	Cum	3.55	8165.52	28987.60	3.55	7920.00	28116.00	1.59	1.59	7920.00	12623.69				12623.69		15492.31	Item Operated
18	18	Lintel.	Cum	0.99	8165.52	8083.86	0.99	7920.00	7840.80	0.93	0.93	7920.00	7345.01				7345.01		495.79	Item Operated
19	19	Chejja	Cum	0.22	9866.67	2170.67	0.22	9570.00	2105.40	0.44	0.28	9570.00	2631.75	0.16	9520.35	1537.54	4169.29	2063.89		Item Operated
20	21	First Floor Column's	Cum	2.43	7559.91	18370.58	2.43	7332.00	17816.76	2.11	2.11	7332.00	15480.78				15480.78		2335.98	Item Operated
21	22	Slab	Cum	6.78	8247.18	55915.88	6.78	7999.00	54233.22	6.08	6.08	7999.00	48593.93				48593.93		5639.30	Item Operated
22	23	Beams	Cum	3.55	8247.18	29277.49	3.55	7999.00	28396.45	1.59	1.59	7999.00	12749.61				12749.61		15646.84	Item Operated
23	24	Lintel.	Cum	1.14	8247.18	9401.79	1.14	7999.00	9118.86	1.06	1.06	7999.00	8442.14				8442.14		676.72	Item Operated
24	25	Chejja	Cum	0.22	9965.34	2192.37	0.22	9666.00	2126.52	0.37	0.28	9666.00	2658.15	0.10	10472.38	1031.53	3689.68	1563.16		Item Operated
25	27	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol- 1 P.No. 84/I.No. 11.32 of PWD SR 2021-22 1st Corrigenda)	Kg	4845.23	105.60	511656.29	4845.23	101.00	489368.23	6306.55	6056.54	101.00	611710.29	250.01	101.89	25474.12	637184.41	147816.18		Item Operated
26	28	First Floor	Kg	1874.87	154.65	289948.65	1874.87	149.00	279355.63	1457.20	1457.20	149.00	217122.20				217122.20		62233.43	Item Operated
27	29	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no- 6.32 of PWD SR 2021 22)	Sqm	49.59	1315.60	65240.60	49.59	1275.00	63227.25	42.64	42.64	1275.00	54366.00				54366.00		8861.25	Item Operated
28	30	First Floor	Sqm	46.95	1328.76	62385.28	46.95	1288.00	60471.60	48.48	48.48	1288.00	62435.80				62435.80	1964.20		Item Operated
29	31	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no- 6.34 of PWD SR 2021 22)	Sqm	18.12	1034.00	18736.08	18.12	1002.00	18156.24	17.61	17.61	1002.00	17645.22				17645.22		511.02	Item Operated
30	32	First Floor	Sqm	38.27	1044.34	39966.89	38.27	1012.00	38729.24	42.09	42.09	1012.00	42595.08				42595.08	3865.84		Item Operated

31	33	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no- 6.33 of PWD SR 2021-22)	Sqm	35.54	1173.70	41713.30	35.54	1137.00	40408.98	30.04	30.04	1137.00	34155.48				34155.48		6253.50	Item Operated
32	34	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge (Vol 2/ P No-41/ I no- 8.3.1 of PWD SR 2021-22)	Sqm	171.31	328.90	56343.86	171.31	318.00	54476.58	162.72	162.72	318.00	51743.37				51743.37		2733.21	Item Operated
33	35	First Floor	Sqm	94.87	332.19	31514.87	94.87	322.00	30548.14	147.90	118.59	322.00	38185.18	29.31	349.09	10230.99	48416.16	17868.02		Item Operated
34	36	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 42 item no 8.9)	Sqm	111.62	354.20	39535.80	111.62	343.00	38285.66	100.65	100.65	343.00	34522.95				34522.95		3762.71	Item Operated
35	37	First Floor	Sqm	189.47	357.74	67781.00	189.47	346.00	65556.62	174.74	174.74	346.00	60458.31				60458.31		5098.31	Item Operated
36	38	Providing 12mm thick cement plaster in floating coat of neat cement of mix :1:4 to Brick masonry including rounding off corners wherever reduired smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per diredtion of Engineer-in-charge(PWD SR 2021-22 Vol -II Pg 41 item no 8.4.2)	Sqm	39.66	288.20	11430.01	39.66	279.00	11065.14	34.25	34.25	279.00	9555.75				9555.75		1509.39	Item Operated
37	39	First Floor	Sqm	39.24	291.08	11421.98	39.24	282.00	11065.68	33.64	33.64	282.00	9485.07				9485.07		1580.61	Item Operated
38	40	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(PWD SR 2021-22 Vol -II Pg 50 item no 8.51)	Sqm	151.28	91.30	13811.86	151.28	88.00	13312.64	134.90	134.90	88.00	11871.20				11871.20		1441.44	Item Operated
39	41	First Floor	Sqm	228.71	92.21	21089.35	228.71	88.00	20126.48	208.37	208.37	88.00	18336.56				18336.56		1789.92	Item Operated

40	42	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 48 item no 8.41)	Sqm	151.28	143.00	21633.04	151.28	138.00	20876.64	404.68	189.10	138.00	26095.80	215.58	137.98	29745.19	55840.99	34964.35		Item Operated
																			Item Operated
41	43	First Floor	Sqm	228.71	144.43	33032.59	228.71	139.00	31790.69	451.15	285.89	139.00	39738.36	165.26	139.36	23030.37	62768.73	30978.04		
42	44	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 46 item no 8.30)	Sqm	171.31	149.60	25627.98	171.31	143.00	24497.33	319.91	214.14	143.00	30621.66	105.77	144.35	15268.16	45889.82	21392.49		Item Operated
43	45	First Floor	Sqm	437.48	158.40	69296.83	437.48	150.00	65622.00	360.27	360.27	150.00	54040.50				54040.50		11581.50	Item Operated
44	46	Providing and laying Cement concrete flooring 40 mm thick with 20mm nominal size stone aggregate using 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry complete.(PWD SR 2021-22 Vol -II Pg 59 item no 9.1)	Sqm	50.04	440.00	22017.60	50.04	426.00	21317.04	47.75	47.75	426.00	20341.50				20341.50		975.54	Item Operated
45	47	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates(PWD SR 2021-22 Vol -I Pg 17 item no 2.4.1)	Sqm	5.00	6468.00	32340.00	5.00	6273.00	31365.00	4.11	4.11	6273.00	25782.03				25782.03		5582.97	Item Operated

46	48	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. (PWD SR 2021-22 Vol -II Pg 63 item no 9.24)	Sqm	50.00	3157.00	157850.00	50.00	3062.00	153100.00	38.69	38.69	3062.00	118468.78				118468.78		34631.22	Item Operated
																			100180.80		78351.28	Item Operated
47	49	First Floor	Sqm	57.74	3188.57	184108.03	57.74	3092.00	178532.08	32.40	32.40	3092.00	100180.80									
48	50	Ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 g per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.(Vol 2/ P No-61/ I no-9.15 of PWD SR 2021-22)	Sqm	3.00	641.05	1923.15	3.00	621.00	1863.00	13.86	3.75	621.00	2328.75	10.11	618.55	6253.50	8582.25	6719.25		Item Operated
52	51	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications. (PWD SR 2021-22 Vol -II Pg 99 item no 12.11)	Cum	0.27	99432.30	26846.72	0.27	96449.00	26041.23	0.19	0.19	96449.00	18084.19				18084.19		7957.04	Item Operated
																16634.34		34192.81	Item Operated
53	52	First Floor	Cum	0.55	100426.62	55234.64	0.55	92413.00	50827.15	0.18	0.18	92413.00	16634.34							
54	53	Providing and fixing in position Honnewood fully panelled shutters for windows with stiles and rails of 35mm thick, 75mm wide in two halves with panels of 25mm thick including cost of materials, labour charges, usage charges complete as per specifications. (excluding cost of fixtures)(PWD SR 2021-22 Vol -II Pg 101 item no 12.23)	Sqm	5.04	5700.20	28729.01	5.04	5529.00	27866.16	6.30	6.30	5529.00	34832.70				34832.70	6966.54		Item Operated
																31752.00		24696.00	Item Operated
55	54	First Floor	Sqm	10.08	5757.20	58032.58	10.08	5600.00	56448.00	5.67	5.67	5600.00	31752.00							
56	55	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. (PWD SR 2021-22 Vol -II Pg 85 item no 11.34B)	Kg	216.00	157.30	33976.80	216.00	152.00	32832.00	143.64	143.64	152.00	21833.28				21833.28		10998.72	Item Operated
																9374.40		27593.10	Item Operated
57	56	First Floor	Kg	238.50	158.87	37890.50	238.50	155.00	36967.50	60.48	60.48	155.00	9374.40							

59	57	*Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (PWD SR 2021-22 Vol -II Pg 112 item no 12.9)*	Kg	8.64	7964.00	68808.96	8.64	7725.00	66744.00	6.84	6.84	7725.00	52839.00				52839.00		13905.00	Item Operated
			Kg	8.64	8043.64	69497.05	8.64	7800.00	67392.00	2.88	2.88	7800.00	22464.00				22464.00		44928.00	Item Operated
60	58	First Floor																			
61	59	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets - grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (PWD SR 2021-22 Vol -II Pg 110 item no 12.85)	0.00	0.90	5410.57	4869.51	0.90	5247.00	4722.30	0.36	0.36	5247.00	1888.92				1888.92		2833.38	Item Operated
62	60	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 47 item no 8.33.3)	Sqm	18.18	116.60	2119.79	18.18	110.00	1999.80	39.96	22.73	110.00	2499.75	17.24	112.51	1939.06	4438.81	2439.01		Item Operated

64	63	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC/Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (PWD SR 2021-22 Vol -II Pg 133 item no 15.1)	Sqm	52.63	819.50	43130.29	52.63	794.00	41788.22	52.00	52.00	794.00	41288.00				41288.00		500.22	Item Operated
65	64	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) (PWD SR 2021-22 1st Corrigenda Vol II.Sl No.12.Item No 13.34).	Ltr	2000.00	8.80	17600.00	2000.00	8.50	17000.00	2000.00	2000.00	8.50	17000.00				17000.00			Item Operated
66	65	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid(PWD SR 2021-22 Vol II. PgNo.123.Item No14.3.1)	Each	2.00	5505.50	11011.00	2.00	5339.00	10678.00	5.00	2.50	5339.00	13347.50	2.50	5312.26	13280.64	26628.14	15950.14		Item Operated
67	66	PTMT grating 100 mm dia.(PWD SR 2021-22 Vol II. PgNo.A-26 Item No 470)	Each	10.00	17.60	176.00	10.00	17.00	170.00	5.00	5.00	17.00	85.00				85.00		85.00	Item Operated
68	67	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wallswherever require. White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps(PWD SR 2021-22 Vol II. PgNo 124.Item No 14.7.1)	Each	4.00	2781.90	11127.60	4.00	2697.00	10788.00	5.00	5.00	2697.00	13485.00				13485.00	2697.00		Item Operated
69	68	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore (PWD SR 2021-22 Vol II. PgNo 115.Item No 13.2.2)	Nos.	10.00	379.50	3795.00	10.00	367.00	3670.00	10.00	10.00	367.00	3670.00				3670.00			Item Operated

70	69	*Providing and fixing brass stop cock of approved quality 20 mm nominal bore (PWD SR 2021-22 Vol II PgNo 115.Item No 13.3.2)*	Nos	6.00	379.50	2277.00	6.00	367.00	2202.00	6.00	6.00	367.00	2202.00				2202.00			Item Operated
71	70	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore (PWD SR 2021-22 Vol II. PgNo 115.Item No 13.5.2)	Nos.	6.00	396.00	2376.00	6.00	370.00	2220.00	6.00	6.00	370.00	2220.00				2220.00			Item Operated
72	71	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. (PWD SR 2021-22 Vol II. PgNo 128 Item No 14.31)	Each	6.00	1068.10	6408.60	6.00	1035.00	6210.00	6.00	6.00	1035.00	6210.00				6210.00			Item Operated
73	72	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal dia pipes (PWD SR 2021-22 1st Corrigenda Vol II. SL No. 10 .Item No 13.32.2)	Mtr	35.00	410.30	14360.50	35.00	397.00	13895.00	60.00	43.75	397.00	17368.75	16.25	395.90	6433.35	23802.10	9907.10		Item Operated
74	73	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS 13592 Type A, including jointing with seal ring conforming to IS 5382, leaving 10mm gap for thermal expansion, [i] single socketed pipes 100mm diameter (PWD SR 2021-22 1st Corrigenda Vol II. SL No. 27 .Item No 13.48)	Mtr	45.00	278.30	12523.50	45.00	269.00	12105.00	30.00	30.00	269.00	8070.00				8070.00		4035.00	Item Operated
75	74	Supply and delivery of Centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments2 HP, Size 50x40 Head 22M, Discharge 186 LPM (PWD SR 2021-22 Vol V. Pg No. 164 .Item No 46.2)	Sqm	1.00	19217.00	19217.00	1.00	18640.00	18640.00	1.00	1.00	18640.00	18640.00				18640.00			Item Operated
		Saving Item's																		

20	*Providing and laying in position Reinforced cement concrete for all* ***Super structures of building*** *, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height The granite/ trap/ basalt crushed, graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed using super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)* **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ 1 no- 2.5.2 of PWD SR 2021-22)																			
	GF:-Staircase	Cum	2.37	8165.52	19352.28	2.37	7920.00	18770.40											18770.40	
26	FF:-Staircase	Cum	2.37	8247.18	19545.82	2.37	7999.00	18957.63											18957.63	
61	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,bolts, fasteners etc) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.(PWD SR 2021-22 Vol -II Pg 83 item no 11.28)																			
	GF :-Staircase Grill	Sqm	156.00	550.00	85800.00	156.00	533.00	83148.00											83148.00	
62	FF:-Staircase Grill	Sqm	349.50	555.50	194147.25	349.50	535.00	186982.50											186982.50	
	Grand Total RS				**3390512.18**			**3271503.12**										**3005121.60**	**488289.93**	**-754671.45**

{Sanction Estimate,Tender Amount - Saving,s Amount + Excess Amount = Modified Total Amount}
:-{3271503.12 - 754671.45+ 488289.93 = 3005121.60}

Agency Signature

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

Executive Engineer
Yelahanka Division

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ